

Title (en)
Ink-jet head and ink-jet printer

Title (de)
Tintenstrahlkopf und Tintenstrahldrucker

Title (fr)
Tête à jet d'encre et imprimante à jet d'encre

Publication
EP 1336495 B1 20081008 (EN)

Application
EP 03003768 A 20030219

Priority
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Abstract (en)
[origin: EP1336495A1] An ink-jet head comprises a passage unit (4) including pressure chambers (10) each having one end connected with a nozzle (8) and the other end to be connected with an ink supply source. The pressure chambers are arranged in a matrix to neighbor each other. The ink-jet head further comprises an actuator unit (21) fixed to a surface of the passage unit for changing the volume of each of the pressure chambers. The actuator unit comprises a piezoelectric sheet (41) disposed to continuously extend over the pressure chambers, a common electrode (34) disposed on one side of the piezoelectric sheet and kept at a constant potential, individual electrodes (35) disposed on the other side of the piezoelectric sheet at positions corresponding to the respective pressure chambers, and recesses (61) formed in regions of the piezoelectric sheet corresponding to portions between the pressure chambers. <IMAGE>

IPC 8 full level
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EP 1336495 A1 20030820; **EP 1336495 B1 20081008**; CN 1264680 C 20060719; CN 1442300 A 20030917; CN 2741772 Y 20051123;
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